Rim Cylinder/Night Double Lockbar Lock
Installation Instructions and Owner's Manual

All Residential Door Models: 5000, 9700, 9800, 8000 & 9000 Series & Wood Doors

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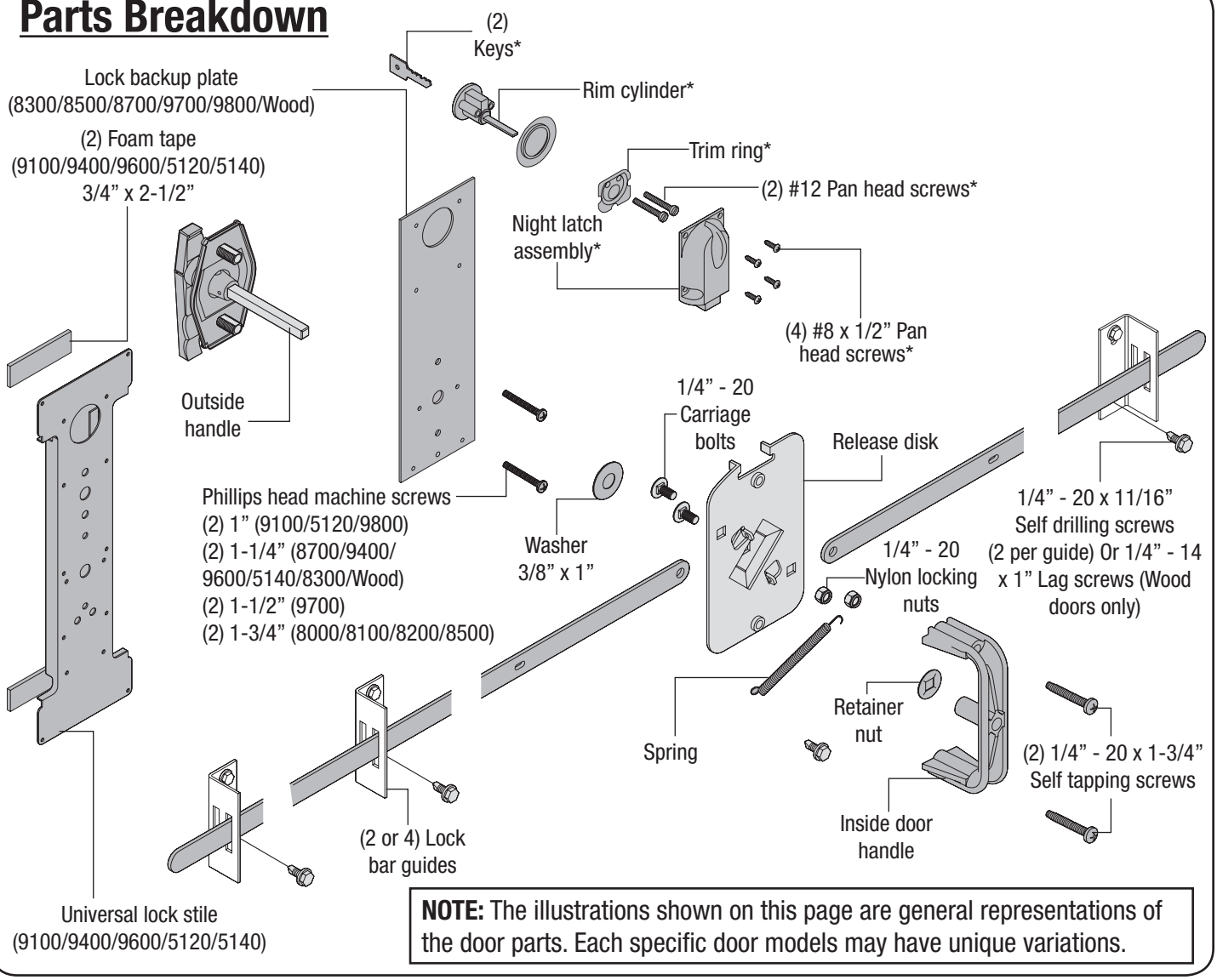
Parts Breakdown


(2) Keys*
Lock backup plate (8300/8500/8700/9700/9800/Wood)
Rim cylinder*
(2) Foam tape (9100/9400/9600/5120/5140) 3/4" x 2-1/2"
Trim ring*
(2) #12 Pan head screws*
Night latch assembly*
(4) #8 x 1/2" Pan head screws*
Outside handle
1/4" - 20 Carriage bolts
Release disk
Phillips head machine screws
(2) 1" (9100/5120/9800)
(2) 1-1/4" (8700/9400/9600/5140/8300/Wood)
(2) 1-1/2" (9700)
(2) 1-3/4" (8000/8100/8200/8500)
Washer 3/8" x 1"
1/4" - 20 Nylon locking nuts
1/4" - 20 x 11/16" Self drilling screws (2 per guide) Or 1/4" - 14 x 1" Lag screws (Wood doors only)
Spring
Retainer nut
(2) 1/4" - 20 x 1-3/4" Self tapping screws
Inside door handle
(2 or 4) Lock bar guides
Universal lock stile (9100/9400/9600/5120/5140)

NOTE: The illustrations shown on this page are general representations of the door parts. Each specific door models may have unique variations.

TOOLS REQUIRED:

(1) Electric Drill
(1) 1/8" Drill Bit
(1) 3/4" Dia. Hole Saw
(1) 1-1/4" Dia. Hole Saw
(1) 7/16" 6 Point Nut Driver
(1) 7/16" Wrench Or Socket
(1) Pliers/Wire Cutter
(1) Phillips Screw Driver
(1) Standard Screw Driver
(1) Center Punch

IMPORTANT NOTICE! REFER TO THE DOOR MODEL INSTALLATION INSTRUCTIONS MANUAL FOR IMPORTANT SAFETY NOTICES.

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STEP 1: Drilling Lock Section

⚠ CAUTION

DO NOT DRILL LOCK SECTION OR INSTALL LOCK ON DOORS WITH OPENERS. THE DOOR AND/ OR OPENER MAY BE DAMAGED IF THE OPENER IS USED WHILE THE DOOR IS LOCKED.

NOTE: Common practice for doors with the odd number of raised panels is to mount the lock towards the right side of the section when looking out.

IMPORTANT: REMOVE ALL BURRS FROM THE DRILLED HOLES BEFORE INSTALLING THE LOCK TO THE SECTION.

8000/8100/8200 DOORS, (SEE FIG. 1): Place the lock section face down on (2) padded sawhorses for a single car door or (3) padded sawhorses for a double car door. Locate the (4) hole pattern in the center stile of the lock section. Use the (4) holes as a template to drill (4) 1/8" holes through the section. Flip the section over, face up. With the section face up, enlarge the (3) bottom holes to 3/4" diameter and the top hole to 1-1/4" diameter, pay close attention not to drill completely through section into center stile.

NOTE: Do not drill through or enlarge holes in the center stile.

9800/9700/8300/8500/8700 & WOOD DOORS, (SEE FIG. 2): Place the lock section face up on (2) padded sawhorses for a single car door or (3) padded sawhorses for a double car door. Locate the middle of the center stile, measure the distance from the end of the section to the middle of the center stile. Turn the section face down, transfer the measurement and mark a light vertical line, then mark a horizontal line at half the section height. Align the 7/16" diameter hole of the lock backup plate at the intersection point of the horizontal and vertical marks, use the lock backup plate as a template to mark the (4) holes, remove the lock backup plate and drill the (3) bottom holes to 3/4" diameter and the top hole to 1-1/4" diameter, drilling all (4) holes completely through the section.

5120/5140/9100/9400 & 9600 DOORS, (SEE FIG. 3): Place the lock section face up on (2) padded sawhorses for a single car door or (3) padded sawhorses for a double car door. Locate the middle of the center stile, measure the distance from the end of the section to the middle of the center stile. Turn the section face down, transfer the measurement and mark a light vertical line. Align the center of the lock stile with vertical mark, use the lock stile as a template to mark the (4) holes, remove the lock stile and drill the (3) bottom holes to 3/4" diameter and the top hole to 1-1/4" diameter, drilling all (4) holes completely through the section.

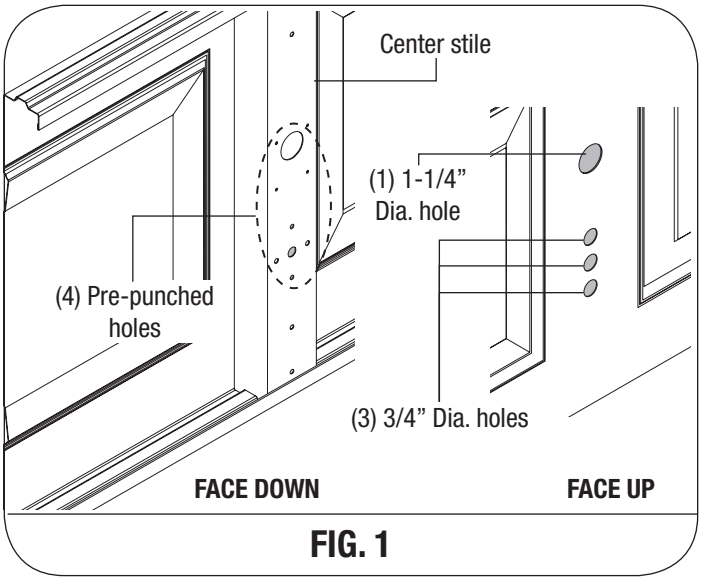

FIG. 1

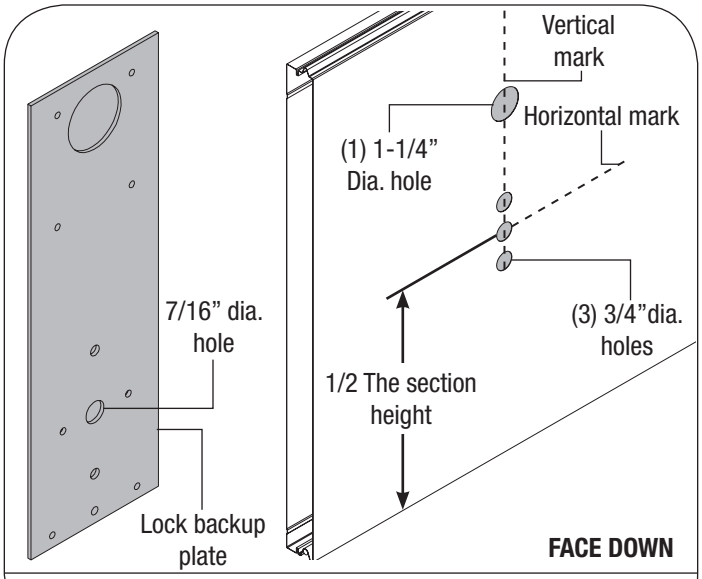

FIG. 2

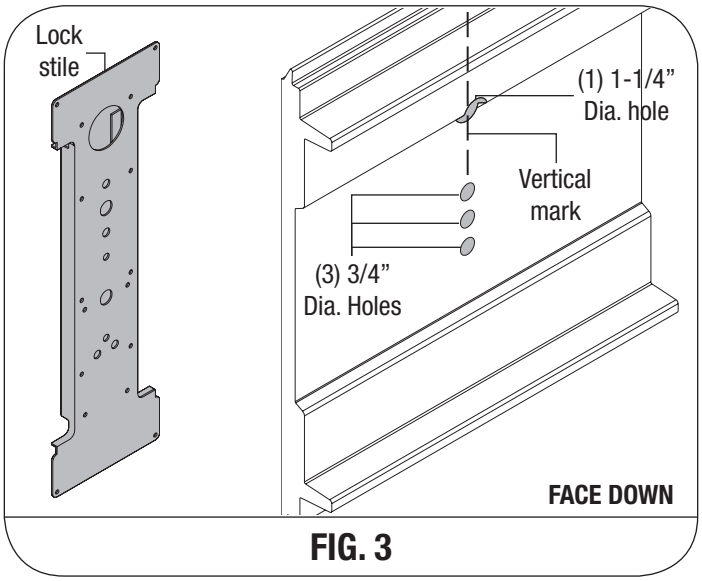

FIG. 3

STEP 2: Outside Lock Handle Assembly

8000/8100/8200 DOORS, (SEE FIG. 4): Align the outside handle assembly with the handle pointing towards the floor and insert the assembly through the previously drilled 3/4" diameter holes in the section. Secure the outside lock handle to the section with (2) #10 phillips head screws.

5120/5140/8300/8500/9700/9800/9100/9400/9600 & WOOD DOORS, (SEE FIG. 5A & FIG. 5B): Align the outside handle assembly with the handle pointing towards the floor and insert the assembly through the previously drilled 3/4" diameter holes in the section. With the outside lock placed in the section, place the center lock stile over the shank of the outside lock handle, secure the center lock stile with foam tape (8300/8500/8700/9700/9800 Series & Wood doors will use the lock backup plate with no foam tape). Secure the outside lock handle to the section by placing the (2) #10 phillips head machine screws through the lock stile into the lock section.

NOTE: For 5140/9400 series doors, seal the v-groove with a bead of clear silicone caulk.

STEP 3: Inside Handle / Lock Assembly

Hold the disk with the large notch of the release disk pointing up. Using 1/4" - 20 carriage bolts and nylon locking nuts, fasten lock bars to disk. Do not overtighten nuts, bars must be free to rotate**, (SEE FIG. 6)**.

First place the 3/8" x 1" washer over the square steel shank. Hold the handle which is pointing towards the floor with one hand and place the disk over the square steel shank of the outside handle. Push the retainer nut onto the shank until the free play in the assembly is taken up. Operate the lock to make sure it functions properly. If the lock operates too hard, loosen the retainer nut slightly**, (SEE FIG. 7)**.

Place the inside handle over the extruded holes in the release disk**, (SEE FIG. 8)**. Secure the handle with (2) 1/4" - 20 x 1-3/4" self tapping screws. Insert the rim cylinder through the trim ring and into the section with the teeth side of the key pointing away from the outside handle.

Place the lock plate over the 1-1/4"diameter center stile hole and fasten with (2) #12 pan head screws into the rim cylinder. In addition, align the night latch slide with the notch in the top of the release disk. Fasten the night latch to the center stile with (4) #8 x 1/2" pan head screws.

NOTE: Rotate the inside handle clockwise and tape the lock bar to the section on both sides. Follow the Main Installation Instructions Manual to install the remaining door sections and track. After the sections and track are installed, continue with STEP 4.

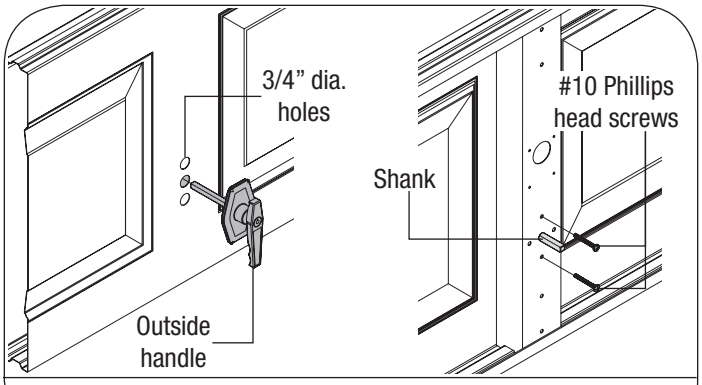

FIG. 4

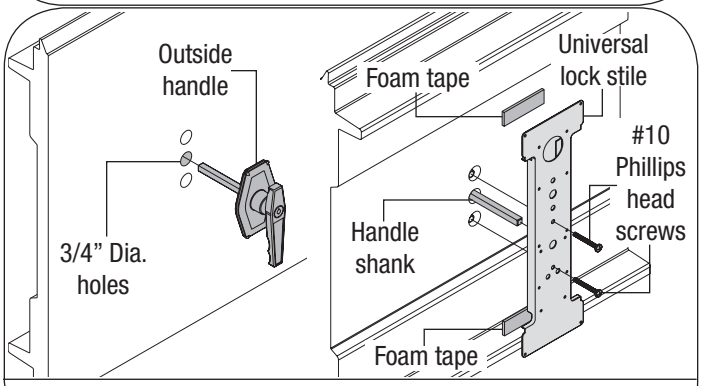

FIG. 5A

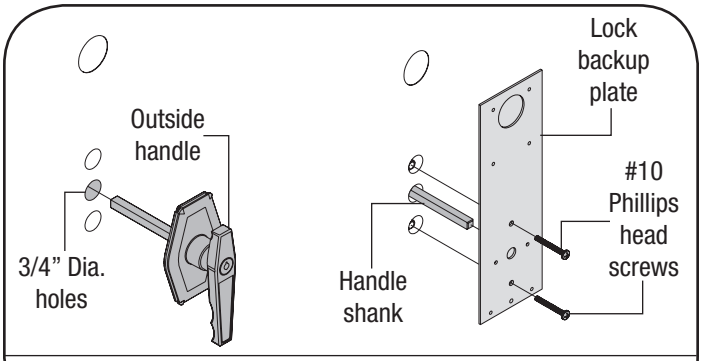

FIG. 5B

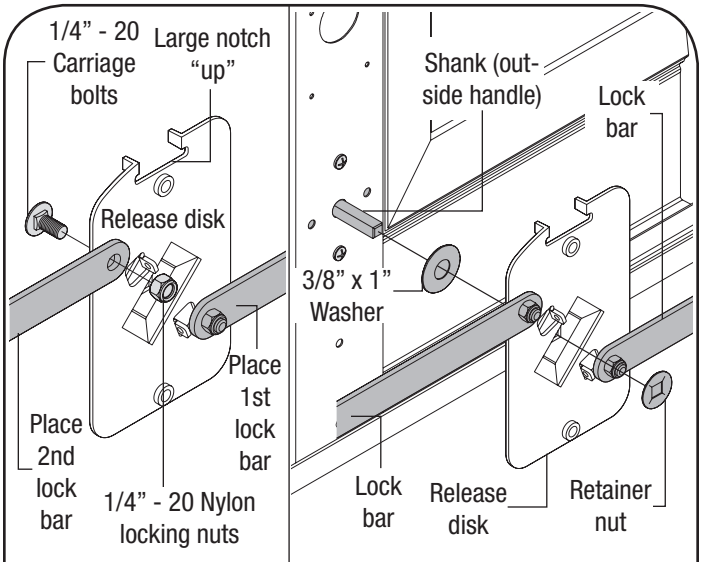

FIG. 6 **FIG. 7**

STEP 1: Installing The Lock bar Guides

Remove the tape attaching the lock bars to the section. Using slot #2, slide the required number of lock bar guides over the lock bars with the mounting flange towards the center of the section. Lock bars 5' or less require (1) guide each and over 5' require (2) guides each. Position, as level as possible, the ends of the lock bars into the square slots of the vertical track. Turn the inside handle counterclockwise until the notch in the release disk aligns with the slide of the night latch. Turn the key in the night latch to secure the lock assembly. Verify the lock bar ends engage the vertical track slots. Position the lock bar guides at the end of the section, 1/8" back from the edge. Attach the lock bar guide to the end stile with (2) 1/4" - 20 x 11/16" self drilling screws each (WOOD DOORS use 1/4" - 20 x 1" lag screws). For lock bars over 5', position the second lock bar guide in the middle of the lock bar and secure the guide with (2) 1/4" - 20 x 11/16" self tapping screws each (WOOD DOORS use 1/4" - 20 x 1" lag screws). Unlock the night latch and turn the inside handle clockwise. Hook the open loop of the release spring into the slot of the right lock bar. Insert the 1/4" - 20 x 11/16" self drilling screw through the closed loop of the release spring and secure it into the lock backup plate hole below the lock assembly. Operate the lock several times to make sure the lock bars move in and out of the vertical track smoothly. Adjust the lock bar guides up or down, if necessary**, (SEE FIG. 9)**.

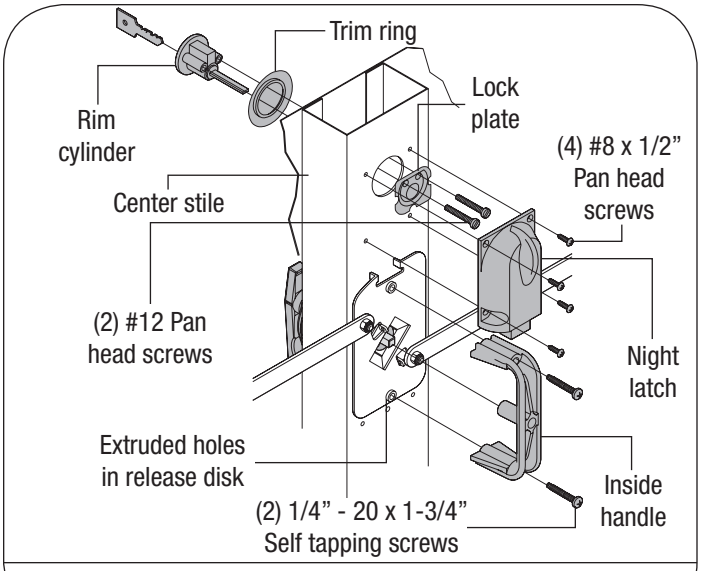

FIG. 8

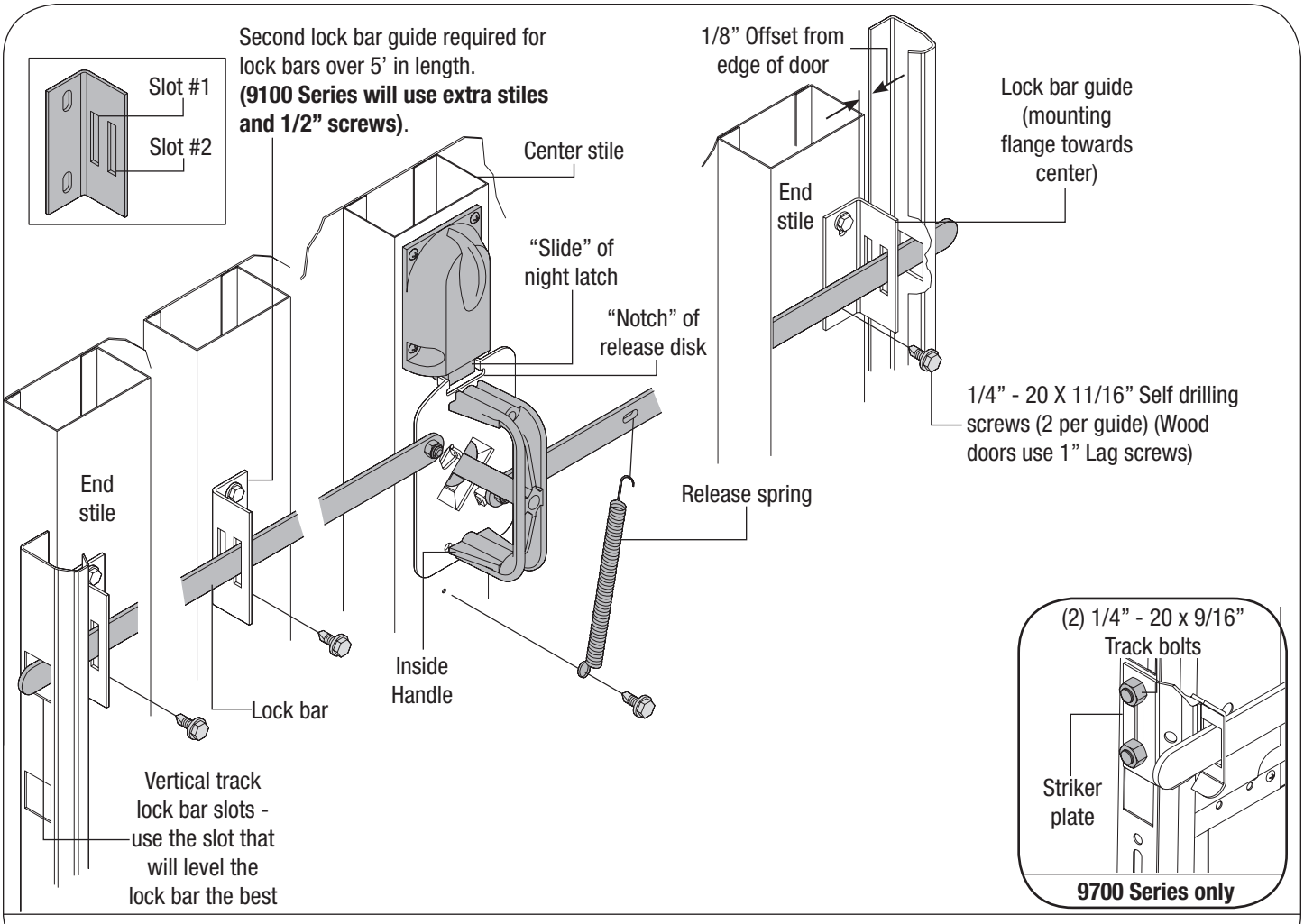
Slot #1
Slot #2
Second lock bar guide required for lock bars over 5' in length. **(9100 Series will use extra stiles and 1/2" screws)**.
Center stile
"Slide" of night latch
"Notch" of release disk
End stile
Lock bar
Inside Handle
Vertical track lock bar slots - use the slot that will level the lock bar the best
1/8" Offset from edge of door
Lock bar guide (mounting flange towards center)
End stile
1/4" - 20 X 11/16" Self drilling screws (2 per guide) (Wood doors use 1" Lag screws)
Release spring
(2) 1/4" - 20 x 9/16" Track bolts
Striker plate
9700 Series only

FIG. 9